

Title (en)

FOAMED POLYLACTIC ACID SHEET, METHOD OF MANUFACTURING FOAMED POLYLACTIC ACID SHEET, AND PRODUCT

Title (de)

GESCHÄUMTE POLYMILCHSÄUREFOLIE, VERFAHREN ZUR HERSTELLUNG EINER GESCHÄUMTEN POLYMILCHSÄUREFOLIE UND PRODUKT

Title (fr)

FEUILLE D'ACIDE POLYLACTIQUE EXPANSÉE, PROCÉDÉ DE FABRICATION DE FEUILLE D'ACIDE POLYLACTIQUE EXPANSÉE ET PRODUIT

Publication

EP 4361205 A1 20240501 (EN)

Application

EP 23206538 A 20231027

Priority

JP 2022174399 A 20221031

Abstract (en)

A foamed polylactic acid sheet contains a polylactic acid resin, wherein the foamed polylactic acid sheet has a bulk density of 0.250 or less g/cm³, the foamed polylactic acid sheet has a melt viscosity of 5,000 to 30,000 Pa s at 190 degrees Celsius, the foamed polylactic acid sheet has a crystallinity of 35 or less percent as analyzed by differential scanning calorimetry.

IPC 8 full level

C08J 9/00 (2006.01); **B29C 44/34** (2006.01); **C08J 9/12** (2006.01)

CPC (source: CN EP US)

B29C 44/3446 (2013.01 - EP); **C08J 5/18** (2013.01 - US); **C08J 9/0061** (2013.01 - CN); **C08J 9/0066** (2013.01 - CN EP US); **C08J 9/122** (2013.01 - CN EP); **B29K 2067/046** (2013.01 - EP); **C08J 2203/06** (2013.01 - CN EP); **C08J 2205/044** (2013.01 - US); **C08J 2205/052** (2013.01 - EP); **C08J 2367/04** (2013.01 - CN EP US); **C08J 2401/02** (2013.01 - CN)

Citation (applicant)

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- JP H11302521 A 19991102 - SHIMADZU CORP
- JP 4578309 B2 20101110
- JP 2006002137 A 20060105 - SEKISUI PLASTICS
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- INOUE, Y: "Structure, Properties, Biodegradability of Aliphatic Polyesters", vol. 50, 2001, POLYMERS, pages: 374 - 377

Citation (search report)

- [XA] JP 4578309 B2 20101110
- [XI] US 2022161467 A1 20220526 - NEMOTO TAICHI [JP], et al

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EP4428182A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

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DOCDB simple family (application)

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